

[HEARING AID DEVICE WITH FREQUENCY-SPECIFIC AMPLIFIER SETTINGS]

Abstract of Disclosure

A hearing aid device includes a microphone, an amplifier, and a speaker. The microphone has bandpass filters, which separate incoming acoustic signals into a multiple channels. Both the microphone and the speaker have a series of amplifying elements, each with a different amplification level. By choosing which amplifying elements to switch on in the microphone and the speaker, the wearer of the hearing aid device may adjust for different amplification levels in each channel.

Figures